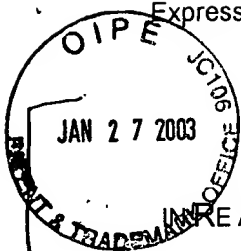


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PATENT
[Signature]



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

McCormick, *et al.*

SERIAL NO.: 09/642,607

FILED: August 17, 2000

FOR: **CAPILLARY ELECTROKINESIS BASED
CELLULAR ASSAYS**

EXAMINER: J. BROWN

ART UNIT: 1743

CONFIRMATION NO.: 6932

RECEIVED
JAN 31 2003
TC 1700

Amendment Under 37 C.F.R. §1.111

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office action dated August 27, 2002 in the above-identified application, please amend the above-identified application as follows.

In the Specification:

On page 2, please replace the paragraph starting on line 10 with the following: ✓

ai One potential method for assaying the effect of compounds on cells is capillary electrokinesis. Concerns associated with the use of capillary electrokinesis are the maintenance of cellular viability, clumping and aggregation of cells, capillary wall adhesion, control of cellular movement and the effect of the medium on the binding of compounds to their respective receptors and transport across the cellular membrane. Particularly, as to viability, the salt concentrations employed for cell media are drastically higher than are useful for electrokinesis. However, the advantages of being able to move small volumes of predetermined volume and concentration, permitting relatively high concentrations with small amounts of materials, detecting the effects on individual cells and being able to do